

U.S. PATENT AND TRADEMARK OFFICE; U.S. DEPARTMENT OF COMMERCE

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July 1, 2005

TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)  
CONCERNING A SUBMISSION UNDER 35 U.S.C. 371

ATTORNEY'S DOCKET NUMBER: 3796.P0049US

US APPLICATION NO.  
(Known, see 37 CFR 1.5) 107541336 Unknown

Confirmation No.: Unknown

INTERNATIONAL APPLICATION NO.: PCT/JP2003/005563

INTERNATIONAL FILING DATE: April 30, 2003

PRIORITY DATE CLAIMED: January 10, 2003

TITLE OF INVENTION: GRAPHITE ELECTRODE FOR ELECTRIC ARC FURNACE

APPLICANTS FOR DO/EO/US: (1) Chizuhiro SHIRAISHI, (2) Kazuyoshi HAINO and (3) Masakatsu TSUCHIYA

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1.  This is a **FIRST** submission of items concerning a submission under 35 U.S.C. 371.
2.  This is a **SECOND** or **SUBSEQUENT** submission of items concerning a submission under 35 U.S.C. 371.
3.  This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.
4.  The US has been elected (Article 31).
5.  A copy of the International Application as filed (35 U.S.C. 371(c)(2))
  - a.  is attached hereto (required only if not communicated by the International Bureau).
  - b.  has been communicated by the International Bureau.
  - c.  is not required, as the application was filed in the United States Receiving Office (RO/US).
6.  An English language translation of the International Application as filed (35 U.S.C. 371(c)(2))
  - a.  is attached hereto.
  - b.  has been previously submitted under 35 U.S.C. 154(d)(4).
7.  Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
  - a.  are attached hereto (required only if not communicated by the International Bureau).
  - b.  have been communicated by the International Bureau.
  - c.  have not been made; however, the time limit for making such amendments has NOT expired.
  - d.  have not been made and will not be made.
8.  An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9.  An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).
10.  An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).

**Items 11 to 20 below concern document(s) or information included:**

11.  An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
12.  An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13.  A preliminary amendment.
14.  An Application Data Sheet under 37 CFR 1.76.
15.  A substitute specification.
16.  A power of attorney and/or change of address letter.
17.  A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821-1.825.
18.  A second copy of the published international application under 35 U.S.C. 154(d)(4).
19.  A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).
20.  Other items or information:
  - Formal Drawings (3 sheets)
  - Title page of WIPO Document WO 2004/063651A1
  - English Language International Search Report
  - Postal Card

U.S. APPLICATION NO.  
Unknown, see 37 CFR 1.22  
Unknown  
**107541336**

INTERNATIONAL APPLICATION NO.:  
PCT/JP2003/005563

ATTORNEY'S DOCKET NUMBER:  
3796.P0049US

The following fees have been submitted:

	Calculations	PTO USE ONLY
21. [X] BASIC NATIONAL FEE .....	\$300.00	\$300.00
22. [X] EXAMINATION FEE If International preliminary examination report prepared by USPTO and all claims satisfy provisions of PCT Article 33(1)-(4).....	\$100.00	
All other situations .....	\$200.00	\$200.00
23. [X] SEARCH FEE Search fee (37 CFR 1.445(a)(2) has been paid on the international application to the USPTO as an International Searching Authority.....	\$100.00	
International Search Report prepared and provided to the Office .....	\$400.00	
All other situations .....	\$500.00	\$500.00
<b>TOTAL OF 21, 22 AND 23 =</b>		<b>\$1,000.00</b>

[ ] Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.

Total sheets \_\_\_\_ - 100 = Extra sheets \_\_\_\_ /50 = Number of each additional 50 or fraction thereof \_\_\_\_ x \$250 ..... \$

Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(h)). \$

CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	
Total claims	3 - 20 =	0	X \$ 50.00	\$
Ind. claims	1 - 3 =	0	X \$200.00	\$
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$360.00	\$
<b>TOTAL OF ABOVE CALCULATIONS</b>			=	<b>\$1,000.00</b>

[ ] Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.  
SUBTOTAL = \$1,000.00

Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)). + \$  
TOTAL NATIONAL FEE = \$1,000.00

Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property  
TOTAL FEES ENCLOSED = + \$  
\$1,000.00

Amount to be refunded: \$  
Amount to be charged: \$

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a. [X] A check in the amount of \$1,000.00 to cover the above fees is enclosed.  
b. [ ] Please charge my Deposit Account No. \_\_\_\_\_ in the amount of \$ \_\_\_\_\_ to cover the above fees. A duplicate copy of this sheet is enclosed.  
c. [X] The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 06-1382. A duplicate copy of this sheet is enclosed.  
NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.

IN DUPLICATE

PLEASE DIRECT CORRESPONDENCE TO THE ADDRESS  
ASSOCIATED WITH THE FOLLOWING CUSTOMER  
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300.05/05  
Form PTO-1390 Page 2 of 2

*Sandy B. Whetstone*  
*for Terryence F. Chapman*  
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07-05-05 JC01 Rec'd PCT/PTO 01 JUL 2005 T  
PATENT APPLICATION

10/541336

Express Mail Label No.: EV 725 077 490 US

Date of Mailing: July 1, 2005

Applicants: Chizuhiro SHIRAISHI et al

Title: GRAPHITE ELECTRODE FOR ELECTRIC ARC FURNACE

PCT International Application No.: PCT/JP2003/005563

PCT International Filing Date: April 30, 2003

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(if known, see 37 CFR 1.5): Unknown

Atty. Docket No.: 3796.P0049US

Mail Stop PCT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**EXPRESS MAILING CERTIFICATE**

Sir:

I hereby certify that the attached paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

FLYNN, THIEL, BOUTELL & TANIS, P.C.

By: Mia Skipper

Date: July 1, 2005

Documents attached: Nationalized PCT Application  
Transmittal dated July 1, 2005  
including enclosures listed thereon

Telephone: (269) 381-1156

391.05/05